

Title (en)

FIREFIGHTING SWITCH DEVICE AND FIREFIGHTING SYSTEM

Title (de)

BRANDBEKÄMPFUNGSVORRICHTUNG UND BRANDBEKÄMPFUNGSSYSTEM

Title (fr)

DISPOSITIF COMMUTATEUR DE LUTTE CONTRE L'INCENDIE ET SYSTÈME DE LUTTE CONTRE L'INCENDIE

Publication

EP 4046692 A1 20220824 (EN)

Application

EP 20924971 A 20201225

Priority

CN 2020139606 W 20201225

Abstract (en)

Embodiments of this application provide a fire-fighting switch device and a fire-fighting system, which are applied to the field of fire fighting. The fire-fighting switch device includes a plurality of fire detection switch units, where the fire detection switch unit includes one or more fire detection switches, the one or more fire detection switches form at least one switch path, the fire detection switch is configured to turn on when a fire is detected, and any one of the switch paths is configured to transmit a voltage signal to a fire-extinguishing device when all of the fire detection switches on the switch path are turned on. In this solution, when a fire is detected by one fire detection switch unit, the fire-extinguishing device can be controlled to extinguish the fire provided that all fire detection switches on one switch path in the fire detection switch unit are turned on. Therefore, code addressing is unnecessary for determining where an exception has occurred, thereby reducing computation and making the fire-fighting switch device work with less complexity.

IPC 8 full level

A62C 3/16 (2006.01); **A62C 37/36** (2006.01); **H01M 10/0525** (2010.01); **H01M 10/42** (2006.01)

CPC (source: EP US)

A62C 37/04 (2013.01 - EP); **G08B 17/06** (2013.01 - EP); **G08B 17/10** (2013.01 - EP US); **G08B 29/188** (2013.01 - EP); **H02J 7/0063** (2013.01 - US); **A62C 37/40** (2013.01 - EP); **G08B 25/04** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 11694530 B2 20230704; **US 2022207976 A1 20220630**; CN 116096465 A 20230509; EP 4046692 A1 20220824; EP 4046692 A4 20230118; EP 4046692 B1 20240605; PL 4046692 T3 20240909; WO 2022134066 A1 20220630

DOCDB simple family (application)

US 202117505965 A 20211020; CN 2020139606 W 20201225; CN 202080104264 A 20201225; EP 20924971 A 20201225; PL 20924971 T 20201225